Anexa nr. 3

ACADEMIA ROMÂNĂ
SCOSAAR

AVIZAT
PREȘEDINTE SCOSAAR
Acad. Bogdan C. SIMIONESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE [/] DA | [] | NU

FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE conform CNATDCU

Candidat: **VALERIU PAUL GEORGESCU**

FIȘA DE VERIFICARE
a îndeplinirii standardelor minimale

S=**13.866**>5, S_{recent}=**6.688**>2.5, C=**296**>12

A: Lucrările în reviste ISI cu scorul relativ de influență (SRI) mai mare sau egal cu 0.5:

Nr. crt. articol	**Articol, referință bibliografică**	**Publicat în ultimii 7 ani**	s_i	n_i	s_i/n_i
1.	P. Harvim, H. Zhang, **P. Georgescu**, L. Zhang, *Transmission dynamics and control mechanisms of vector-borne diseases with active and passive movements between urban and satellite cities,*	DA	1.394 (JCR2015)	4	**0.348**

	Bulletin of Mathematical Biology 81 (2019), 4518--4563.				
2.	C. Sun, Y. H. Hsieh, **P. Georgescu**, *A model for HIV transmission with two interacting high-risk groups*, Nonlinear Analysis: Real World Applications 40 (2018), 170--184.	DA	1.505 (JCR2017)	3	**0.501**
3.	H. Zhang, J. Xia, **P. Georgescu**, *Multigroup deterministic and stochastic SEIRI epidemic models with nonlinear incidence rates and distributed delays: A stability analysis*, Mathematical Methods in the Applied Sciences 40 (2017), 6254--6275.	DA	0.812 (JCR2015)	3	**0.270**
4.	**P. Georgescu**, D. Maxin, H. Zhang, *Threshold boundedness conditions for n-species mutualisms*, Nonlinearity 30 (2017), 4410--4427.	DA	2.165 (JCR2017)	3	**0.721**
5.	D. Maxin, **P. Georgescu**, L. Sega, L. Berec, *Global stability of the coexistence equilibrium for a general class of models of facultative mutualism*, Journal of Biological Dynamics 11 (2017), 339--364.	DA	0.901 (JCR2018)	4	**0.225**
6.	H. Zhang, F. Tian, P. Harvim, **P. Georgescu**, *Effects of size refuge specificity on a predator-prey model*, BioSystems 152 (2017), 11--23.	DA	0.966 (JCR2015)	4	**0.241**
7.	H. Zhang, J. Xia, **P. Georgescu**, *Stability analyses of deterministic and stochastic SEIRI epidemic models with nonlinear incidence rates and distributed delay*, Nonlinear Analysis: Modelling and Control 22 (2017), 64--83.	DA	0.866 (JCR2019)	3	**0.288**
8.	H. Zhang, **P. Georgescu**, A.S. Hassan, *Mathematical insights and integrated strategies for the control of Aedes aegypti mosquito*, Applied Mathematics and Computation 273 (2016), 1059—1089	DA	1.048 (JCR2019)	3	**0.349**
9.	**P. Georgescu**, H. Zhang, D. Maxin, *The global stability of coexisting equilibria for three models of mutualism*, Mathematical Biosciences and Engineering 13 (2016), 101--118.	DA	0.679 (JCR2015)	3	**0.226**

10.	H. Zhang, **P. Georgescu**, Z. Lai, *Periodic patterns and Pareto efficiency of state dependent impulsive controls regulating interactions between wild and transgenic mosquito populations*, Communications in Nonlinear Science and Numerical Simulation 31 (2016), 83--107.	DA	1.806 (JCR2018)	3	**0.602**
11.	H. Zhang, **P. Georgescu**, *The influence of the multiplicity of infection upon the dynamics of a crop-pest-pathogen model with defence mechanisms*, Applied Mathematical Modelling 39 (2015), 2416--2435.	DA	2.204 (JCR2015)	2	**1.102**
12.	H. Zhang, **P. Georgescu**, *Biologically motivated stability results for a general class of impulsive functional differential equations*, Electronic Journal of Qualitative Theory of Differential Equations 3 (2015), 1--24.	DA	0.722 (JCR2019)	2	**0.361**
13.	H. Zhang, **P. Georgescu**, *Finite-time control of impulsive hybrid dynamical systems in pest management*, Mathematical Methods in the Applied Sciences 37 (2014), 2728--2738.	DA	0.812 (JCR2015)	2	**0.406**
14.	**P. Georgescu**, H. Zhang, *Lyapunov functionals for two-species mutualisms*, Applied Mathematics and Computation 226 (2014), 754--764.	DA	1.048 (JCR2019)	2	**0.524**
15.	**P. Georgescu**, H. Zhang, *A Lyapunov functional for a SIRI model with nonlinear incidence of infection and relapse*, Applied Mathematics and Computation 219 (2013), 8496--8507.	DA	1.048 (JCR2019)	2	**0.524**
16.	**P. Georgescu**, H. Zhang, *An impulsively controlled pest management model with n predator species and a common prey*, BioSystems 110 (2012), 162--170.	NU	0.966 (JCR2015)	2	**0.483**
17.	**P. Georgescu**, Y. H. Hsieh, H. Zhang, *A Lyapunov functional for a stage-structured predator-prey model with nonlinear predation rate*, Nonlinear Analysis: Real World Applications 11 (2010), 3653--3665.	NU	1.505 (JCR2017)	3	**0.501**

18.	H. Zhang, **P. Georgescu**, *The global properties of an age-dependent SI model involving pathogenic virus release and defence mechanisms for pests*, Mathematical and Computer Modelling 52 (2010), 37--54.	NU	1.028 (JCR2015)	2	**0.514**
19.	**P. Georgescu**, H. Zhang, *An impulsively controlled predator-pest model with disease in the pest*, Nonlinear Analysis: Real World Applications 11 (2010), 270--287.	NU	1.505 (JCR2017)	2	**0.752**
20.	H. Zhang, **P. Georgescu**, J. J. Nieto, L. Chen, *Impulsive perturbation and bifurcation of solutions for a model of chemostat with variable yield*, Applied Mathematics and Mechanics (English Edition) 30 (2009), 933--944.	NU	0.654 (JCR2019)	4	**0.163**
21.	H. Zhang, **P. Georgescu**, L. Chen, *On the impulsive controllability and bifurcation of a predator-pest model of IPM*, BioSystems 93 (2008), 151--171.	NU	0.966 (JCR2015)	3	**0.322**
22.	**P. Georgescu**, H. Zhang, L. Chen, *Bifurcation of nontrivial periodic solutions for an impulsively controlled pest management model*, Applied Mathematics and Computation 202 (2008), 675--687.	NU	1.048 (JCR2019)	3	**0.349**
23.	**P. Georgescu**, G. Moroşanu, *Impulsive perturbations of a three-trophic prey-dependent food chain system*, Mathematical and Computer Modelling 48 (2008), 975--997.	NU	1.028 (JCR2015)	2	**0.514**
24.	**P. Georgescu**, G. Moroşanu, *Flow invariance for semilinear evolution equations under generalized dissipativity conditions*, Nonlinear Analysis: Theory, Methods and Applications 68 (2008), 443--455.	NU	1.752 (JCR2019)	2	**0.876**
25.	**P. Georgescu**, Y. H. Hsieh, *Global dynamics for a predator-prey model with stage structure for predator*, SIAM Journal on Applied Mathematics 67 (2007), 1379--1395.	NU	1.808 (JCR2017)	2	**0.904**
26.	**P. Georgescu**, G. Moroşanu, *Pest regulation by means of impulsive controls*,	NU	1.048 (JCR2019)	2	**0.524**

	Applied Mathematics and Computation, 190 (2007), 790--803.				
27.	**P. Georgescu**, Y. H. Hsieh, *Global stability for a virus dynamics model with nonlinear incidence of infection and removal*, SIAM Journal on Applied Mathematics 67 (2006), 337--353.	NU	1.808 (JCR2017)	2	**0.904**
28.	**P. Georgescu**, S. Oharu, *Generation and characterization of locally Lipschitzian semigroups associated with semilinear evolution equations*, Hiroshima Mathematical Journal 31 (2001), 133--169.	NU	0.744 (JCR2016)	2	**0.372**
TOTAL:				S=	**13.866**
				S_{recent}=	**6.688**

B: Citări în reviste cu scor relativ de influență mai mare sau egal cu 0.5

Nr. crt.	Articolul citat	Revista și articolul în care a fost citat	s_i
1.	C. Sun, Y. H. Hsieh, **P. Georgescu**, *A model for HIV transmission with two interacting high-risk groups*, Nonlinear Analysis: Real World Applications 40 (2018), 170--184.	1. W. Yang, *Global results for an HIV/AIDS model with multiple susceptible classes and nonlinear incidence*, Journal of Applied Analysis and Computation 10 (2020), 335-349.	0.54 (JCR2019)
2.	H. Zhang, P. Harvim and **P. Georgescu**, *Preventing the spread of schistosomiasis in Ghana: possible outcomes of integrated optimal control strategies*, Journal of Biological Systems 25 (2017), 625--655.	1. W. Anyan, S. Abonie, F. Aboagye-Antwi, M. Tettey, L. Nartey, P. Hanington, A. Anang, S. Muench, *Concurrent Schistosoma mansoni and Schistosoma haematobium infections in a peri-urban community along the Weija dam in Ghana: A wake up call for effective National Control*, Acta Tropica 199 (2019), Article Number: UNSP 105116.	1.501 (JCR2019)
3.	H. Zhang, J. Xia and **P. Georgescu**, *Multigroup deterministic and stochastic SEIRI epidemic models with nonlinear incidence rates and distributed delays: A stability*	1. B. Barman, B. Ghosh, *Explicit impacts of harvesting in delayed predator-prey models*, Chaos Solitons & Fractals 122 (2019), 213-228..	1.34 (JCR2019)

	analysis, Mathematical Methods in the Applied Sciences 40 (2017), 6254-6275.		
4.	D. Maxin, **P. Georgescu**, L. Sega and L. Berec, *Global stability of the coexistence equilibrium for a general class of models of facultative mutualism*, Journal of Biological Dynamics 11 (2017), 339--364.	1. R. Vazquez-Medina, A. Ledesma-Duran, J. Luis Aragon, *Patchy spread patterns in three-species bistable systems with facultative mutualism*, Biosystems 177 (2019), 24-33.	0.781 (JCR2019)
5.	**P. Georgescu**, D. Maxin and H. Zhang, *Global stability results for models of commensalism*, International Journal of Biomathematics 10 (2017), 1750037 (25 pages).	5. W. Ji, M. Liu, *Optimal harvesting of a stochastic commensalism model with time delay*, Physica A-Statistical Mechanics and its Applications 527, Article Number: 121284, 2019.	1.007 (JCR2019)
		4. B. Chen, *The influence of commensalism on a Lotka-Volterra commensal symbiosis model with Michaelis-Menten type harvesting*, Advances In Difference Equations, Article Number: 43, 2019.	0.503 (JCR2019)
		3. Y. Liu, L. Zhao, X. Huang, H. Deng, *Stability and bifurcation analysis of two species amensalism model with Michaelis-Menten type harvesting and a cover for the first species*, Advances In Difference Equations, Article Number: 295, 2018	0.503 (JCR2019)
		2. Y. Liu, X. Xie, Q. Lin, *Permanence, partial survival, extinction, and global attractivity of a nonautonomous harvesting Lotka-Volterra commensalism model incorporating partial closure for the populations*, Advances In Difference Equations, Article Number: 211, 2018.	0.503 (JCR2019)
		1. L. Zhao, Q. Liang, X. Sun, *Dynamic behavior of a commensalism model with nonmonotonic functional response and density-dependent birth rates*, Complexity, Article Number: 9862584, 2018.	0.762 (JCR2019)
6	H. Zhang, F. Tian, P. Harvim and **P. Georgescu**, *Effects of size refuge specificity on a*	1. M. Moustafa, M.H. Mohd, A.I. Ismail, F.A. Abdullah, *Dynamical analysis of a fractional-order*	1.34 (JCR2019)

	predator-prey model, BioSystems 152 (2017), 11--23.	*Rosenzweig-MacArthur model incorporating a prey refuge*, Chaos Solitons & Fractals, 109 (2018), 1—13.	
7	H. Zhang, J. Xia and **P. Georgescu**, *Stability analyses of deterministic and stochastic SEIRI epidemic models with nonlinear incidence rates and distributed delay*, Nonlinear Analysis: Modelling and Control 22 (2017), 64--83.	4. Y. Yang, J.L. Zhou, L. Zou, C.H. Hsu, *Dynamics of a waterborne pathogen model with spatial heterogeneity and general incidence rate*, Nonlinear Analysis-Real World Applications 53 (2020), Article Number: 103065.	1.459 (JCR2019)
		3. Y. Yang, J. Zhou, C.-H. Hsu, *Threshold dynamics of a diffusive SIRI model with nonlinear incidence rate*, Journal of Mathematical Analysis and Applications 478 (2019), 874-896.	1.136 (JCR2019)
		2. B. Barman, B. Ghosh, *Explicit impacts of harvesting in delayed predator-prey models*, Chaos Solitons & Fractals 122 (2019), 213-228.	1.34 (JCR2019)
		1. B. Berrhazi, M. El Fatini, A. Laaribi, *A stochastic threshold for an epidemic model with Beddington-DeAngelis incidence, delayed loss of immunity and Levy noise perturbation*, Physica A - Statistical Mechanics And Its Applications 507 (2018), 312—320.	1.007 (JCR2019)
8.	**P. Georgescu**, H. Zhang and D. Maxin, *The global stability of coexisting equilibria for three models of mutualism*, Mathematical Biosciences and Engineering 13 (2016), 101--118.	2. S. Batabyal, D. Jana, J.J. Lyu, R.D. Parshad, *Explosive predator and mutualistic preys: A comparative study*, Physica A-Statistical Mechanics and its Applications 541 (2020), Article Number: 123348	1.007 (JCR2019)
		1. G. Dimitriu, R. Ştefănescu, I. Navon, *Comparative numerical analysis using reduced-order modeling strategies for nonlinear large-scale systems*, Journal of Computational and Applied Mathematics 310 (2017), 32—43.	1.001 (JCR2019)
9.	H. Zhang, **P. Georgescu** and Z. Lai, *Periodic patterns and Pareto efficiency of state dependent impulsive controls regulating interactions between wild and transgenic mosquito populations*, Communications in Nonlinear	6. T.Q. Zhang, N. Gao, T.F. Wang, H.X. Liu, Z.C. Jiang, *Global dynamics of a model for treating microorganisms in sewage by periodically adding microbial flocculants*, Mathematical Biosciences and Engineering 17 (2020), 179-201.	0.596 (JCR2019)

	Science and Numerical Simulation 31 (2016), 83--107.	5. I.U. Khan, S. Tang, B. Tang, *The state-dependent impulsive model with action threshold depending on the pest density and its changing rate*, Complexity, Article Number: UNSP 650986, 2019	0.762 (JCR2019)
		4. J. Wang, H. Cheng, H. Liu, Y. Wang, *Periodic solution and control optimization of a prey-predator model with two types of harvesting*, Advances In Difference Equations, Article Number: 41, 2018.	0.503 (JCR2019)
		3. J. Wang, H. Cheng, X. Meng, B. Pradeep, *Geometrical analysis and control optimization of a predator-prey model with multi state-dependent impulse*, Advances In Difference Equations Article Number: 252, 2017	0.503 (JCR2019)
		2. S. Alonso-Quesada, M. De la Sen, A. Ibeas, *On the discretization and control of an SEIR epidemic model with a periodic impulsive vaccination*, Communications in Nonlinear Science and Numerical Simulation 42 (2017), 247—274.	1.679 (JCR2019)
		1. S. Sun, G. Cuo, C. Qin, *Dynamic behaviors of a modified predator-prey model with state-dependent impulsive effects*, Advances In Difference Equations, Article Number: 50, 2016.	0.503 (JCR2019)
10.	H. Zhang, **P. Georgescu**, A.S. Hassan, *Mathematical insights and integrated strategies for the control of Aedes aegypti mosquito*, Applied Mathematics and Computation 273 (2016), 1059—1089.	1. A. Nwankwo, D. Okuonghae, *Mathematical assessment of the impact of different microclimate conditions on malaria transmission dynamics*, Mathematical Biosciences and Engineering 16 (2019), 1414-1444.	0.596 (JCR2019)
11.	H. Zhang and **P. Georgescu**, *The influence of the multiplicity of infection upon the dynamics of a crop-pest-pathogen model with defence mechanisms*, Applied Mathematical Modelling 39 (2015), 2416--2435.	2. B. Buonomo, F. Giannino, S. Saussure, E. Venturino, *Effects of limited volatiles release by plants in tritrophic interactions*, Mathematical Biosciences and Engineering 16 (2019), 3331-3344.	0.596 (JCR2019)
		1. N. Lundstrom, H. Zhang, A. Braennstroem, *Pareto-efficient biological pest control enable high efficacy at small costs*, Ecological	1.111 (JCR2019)

		Modelling 364 (2017), 89—97.	
12.	H. Zhang and **P. Georgescu**, *Finite-time control of impulsive hybrid dynamical systems in pest management*, Mathematical Methods in the Applied Sciences, 37 (2014), 2728--2738.	1. S. Mobayen, D. Băleanu, *Linear matrix inequalities design approach for robust stabilization of uncertain nonlinear systems with perturbation based on optimally-tuned global sliding mode control*, Journal of Vibration and Control 23 (2017), 1285-1295.	1.174 (JCR2019)
13.	**P. Georgescu** and H. Zhang, *Lyapunov functionals for two-species mutualisms*, Applied Mathematics and Computation, 226 (2014), 754-764.	3. Q. Dang, M. Hoang, *Complete global stability of a metapopulation model and its dynamically consistent discrete models,* Qualitative Theory of Dynamical Systems 18 (2019), 461--475.	0.677 (JCR2019)
		2. N. Supajaidee, S. Moonchai, *Stability analysis of a fractional-order two-species facultative mutualism model with harvesting*, Advances in Difference Equations, Article Number: 372, 2017.	0.503 (JCR2019)
		1. S. Ghosh, R. Chowdhury, Ranjana, P. Bhattacharya, *Mixed consortia in bioprocesses: role of microbial interactions,* Applied Microbiology And Biotechnology 100 (2016), 4283—4295	1.444 (JCR2019)
14.	**P. Georgescu** and H. Zhang, *A Lyapunov functional for a SIRI model with nonlinear incidence of infection and relapse*, Applied Mathematics and Computation 219, pp. 8496—8507, 2013	19. M. Ghosh, S. Olaniyi, O. Obabiyi, *Mathematical analysis of reinfection and relapse in malaria dynamics*, Applied Mathematics and Computation 373 (2020), Article Number: 125044.	1.048 (JCR2019)
		18. A.Lahrouz, A. Settati, M. El Fatini, R. Pettersson, R. Taki, *Probability analysis of a perturbed epidemic system with relapse and cure*, International Journal of Computational Methods 17 (2020), Article Number: 1850140.	0.862 (JCR2019)
		17. Q. Ding, YF. Liu, YM. Chen, ZM Guo *Dynamics of a reaction-diffusion SIRI model with relapse and free boundary*, Mathematical Biosciences and Engineering 17 (2020), 1659-1676.	0.596 (JCR2019)
		16. X. Zhiting, Y. Xu, Y. Huang, *Traveling waves for a spatial SIRI*	0.654 (JCR2019)

		epidemic model, Taiwanese Journal of Mathematics 23 (2019), 1435—1460.	
		15. M. El Fatini, M. El Khalifi, R. Gerlach, A. Laaribi, R. Taki, *Stationary distribution and threshold dynamics of a stochastic SIRS model with a general incidence*, Physica A - Statistical Mechanics And Its Applications Volume: 534 Article Number: UNSP 120696.	1.007 (JCR2019)
		13. Y. Yang, J. Zhou, C.-H. Hsu, *Threshold dynamics of a diffusive SIRI model with nonlinear incidence rate*, Journal of Mathematical Analysis and Applications 478 (2019), 874-896.	1.136 (JCR2019)
		12. M. Ehrhardt, J. Gasper, S. Kilianova, *SIR-based mathematical modeling of infectious diseases with vaccination and waning immunity*, Journal of Computational Science 37 (2019), Article Number: UNSP 101027.	1.055 (JCR2019)
		11. M. El Fatini, A. Laaribi, R. Pettersson, R. Taki, *Levy noise perturbation for an epidemic model with impact of media coverage*, Stochastics – an International Journal of Probability and Stochastic Processes, 91 (2019), 998—1019.	0.977 (JCR2019)
		10. Y. Chen, J. Li, S. Zou, *Global dynamics of an epidemic model with relapse and nonlinear incidence*, Mathematical Methods in the Applied Sciences 42 (2019), 1283—1291.	0.722 (JCR2019)
		9. T. Caraballo, M. El Fatini, R. Pettersson, R. Taki, *Stochastic SIRI epidemic model with relapse and media coverage*, Discrete and Continuous Dynamical Systems - Series B 23 (2018), 3483—3501.	0.938 (JCR2019)
		8. A. Lahrouz, H. El Mahjour, A. Settati, A. Bernoussi, *Dynamics and optimal control of a non-linear epidemic model with relapse and cure*, Physica A - Statistical Mechanics And Its Applications 496 (2018), 299—317.	1.007 (JCR2019)

		7. K.Y. Lam, X. Wang, T. Zhang, *Traveling waves for a class of diffusive disease-transmission models with network structures,* SIAM Journal on Mathematical Analysis 50 (2018), 5719—5748.	2.343 (JCR2019)
		6. M. El Fatini, A. Lahrouz, R. Pettersson, R. Taki, *Stochastic stability and instability of an epidemic model with relapse*, Applied Mathematics And Computation 316 (2018), 326—341.	1.048 (JCR2019)
		5. R. Xu, *Global dynamics of an epidemiological model with age of infection and disease relapse,* Journal of Biological Dynamics 12 (2017), 118--145.	0.796 (JCR2019)
		4. W. Luo, W.P. Tay, M. Leng, *On the universality of Jordan centers for estimating infection sources in tree networks*, IEEE Transactions on Information Theory 63 (2017), 4634—4657.	2.726 (JCR2019)
		3. J. Yang, Y. Chen, T. Kuniya, *Threshold dynamics of an age-structured epidemic model with relapse and nonlinear incidence*, IMA Journal of Applied Mathematics 82 (2017), 629—655.	0.873 (JCR2019)
		2. Q. Lei, Z. Yan, *Dynamical behaviors of a stochastic SIRI epidemic model*, Applicable Analysis 96 (2017), 2758—2770.	0.762 (JCR2019)
		1. C Vargas-De-León, *Global stability properties of age-dependent epidemic models with varying rates of recurrence*, Mathematical Methods in the Applied Sciences 39 (2016), 2057–2064.	0.722 (JCR2019)
15	**P. Georgescu** and H. Zhang, *An impulsively controlled pest management model with n predator species and a common prey*, BioSystems 110, pp. 162—170, 2012.	3. Z. Wang, Y. Shao, X. Fang, X. Ma, *The dynamic behaviors of one-predator two-prey system with mutual interference and impulsive control*, Mathematics and Computers in Simulation 132 (2017), 68—85.	1.007 (JCR2019)
		2. L Galbusera, S Pasquali, *Analysis and constrained optimal impulsive control*	2.5 (JCR2019)

		of a Holling-II type trophic system with two sources, Journal of the Franklin Institute 352 (2015), 2728–2749.	
		1. H.-B. Jiang, T.Li, X.-L. Zeng, L.P. Zhang, *Bifurcation analysis of the logistic map via two periodic impulsive forces*, Chinese Physics B 23 (2014), Article Number: 010501.	0.536 (JCR2017)
16	**P. Georgescu**, G. Dimitriu and R. Sinclair, *Impulsive control of an integrated pest management model with dispersal between patches*, Journal of Biological Systems 18, pp. 535—569, 2010.	4. S. Anița, V. Capasso, G. Dimitriu, *Controlling an alien predator population by regional controls*, Nonlinear Analysis: Real World Applications 46 (2019), 82—97.	1.459 (JCR2019)
		3. Z. Yang, C. Chen, L. Zhang, T. Huang, *Dynamical behaviors of a pest epidemic model with impulsive control over a patchy environment*, International Journal of Bifurcation and Chaos 28 (2018), Article Number: 1850173.	0.802 (JCR2019)
		2. Z.Q. Liang, G.P. Pang, X.P. Zeng, Y.H. Liang, *Qualitative analysis of a predator-prey system with mutual interference and impulsive state feedback control*, Nonlinear Dynamics 87 (2017),1495—1509.	2.34 (JCR2019)
		1. B. Ghosh, F. Grognard, L. Mailleret, *Natural enemies deployment in patchy environments for augmentative biological control*, Applied Mathematics and Computation 266 (2015), 982–999.	1.048 (JCR2019)
17	**P. Georgescu**, Y.-H. Hsieh and H. Zhang, *A Lyapunov functional for a stage-structured predator-prey model with nonlinear predation rate*, Nonlinear Analysis: Real World Applications, 11 (2010), 3653-3665.	12. X. Liu, B. Dai, *Threshold dynamics of a delayed predator-prey model with impulse via the basic reproduction number*, Advances In Difference Equations Article Number: 454, 2018.	0.503 (JCR2019)
		11. Q. Liu, D. Jiang, T. Hayat, *Dynamics of a Stochastic Predator-Prey Model with Stage Structure for Predator and Holling Type II Functional Response*, Journal of Nonlinear Science 28 (2018), 1151—1187.	2.565 (JCR2019)
		10. T. Caraco, W. Turner, *Pathogen transmission at stage-structured infectious patches: Killers and*	1.207 (JCR2019)

		vaccinators, Journal of Theoretical Biology 436 (2018), 51—63.	
		9. M. Garrione, C. Rebelo, *Persistence in seasonally varying predator–prey systems via the basic reproduction number*, Nonlinear Analysis: Real World Applications 30 (2016), 73–98.	1.459 (JCR2019)
		8. S. Boonrangsiman, K. Bunwong, E.J. Moore, *A bifurcation path to chaos in a time-delay fisheries predator–prey model with prey consumption by immature and mature predators*, Mathematics and Computers in Simulation 124 (2016), 16–29.	1.007 (JCR2019)
		7. H. Zhao, L. Wang, *Stability and Hopf bifurcation in a reaction-diffusion predator-prey system with interval biological parameters and stage structure*, Nonlinear Dynamics, 79 (2015), 1797-1816.	2.34 (JCR2019)
		6. J. Wang, X. Liu, J. Pang, D.M. Hou, *Global Dynamics of a Multi-Group Epidemic Model with General Exposed Distribution and Relapse*, Osaka Journal of Mathematics 52 (2015), 117—138.	0.704 (JCR2015)
		5. J Wang, J Pang, X Liu, *Modelling diseases with relapse and nonlinear incidence of infection: a multi-group epidemic model*, Journal of Biological Dynamics 8 (2014), 99--116.	0.796 (JCR2019)
		4. A.J. Terry, *Prey resurgence from mortality events in predator-prey models*, Nonlinear Analysis-Real World Applications,14 (2013), 2180--2203.	1.459 (JCR2019)
		3. W. Zhao, C. Zhu and H. Zhu, *On positive periodic solution for the delay Nicholson's blowflies model with a harvesting term*, Applied Mathematical Modelling, 36 (2012), 3329--3334.	2.138 (JCR2019)
		2. L. Fei, *Positive almost periodic solution for a class of Nicholson's blowflies model with a linear harvesting term*, Nonlinear Analysis: Real World Applications 13 (2012), 686--693.	1.459 (JCR2019)

		1. R. Sun and J. Shi, *Global stability of multigroup epidemic model with group mixing and nonlinear incidence rates*, Applied Mathematics and Computation, 218 (2001), 280--286.	1.048 (JCR2019)
18	**P. Georgescu** and H. Zhang, *An impulsively controlled predator-pest model with disease in the pest*, Nonlinear Analysis: Real World Applications, 11 (2010), 270-287.	13. K. Sun, T. Zhang, Y. Tian, *Dynamics analysis and control optimization of a pest management predator-prey model with an integrated control strategy*, Applied Mathematics and Computation 292 (2017), 253--271 .	1.048 (JCR2019)
		12. X. Liang, Y. Pei, M. Zhu, Y. Lv, *Multiple kinds of optimal impulse control strategies on plant–pest–predator model with eco-epidemiology*, Applied Mathematics and Computation 287–288 (2016), 1–11.	1.048 (JCR2019)
		11. K.S. Mathur, *A prey-dependent consumption two-prey one predator eco-epidemic model concerning biological and chemical controls at different pulses*, Journal of the Franklin Institute 353, pp. 3897—3919, 2016.	2.5 (JCR2019)
		10. K. Sun, T. Zhang, Y. Tian, *Theoretical study and control optimization of an integrated pest management predator–prey model with power growth rate*, Mathematical Biosciences 279 (2016), 13--26.	0.919 (JCR2019)
		9. O. Akman, T.D. Comar, D. Hrozencik, *On impulsive integrated pest management models with stochastic effects*, Frontiers in Neuroscience 9, Article ID 119 (2015).	1.309 (JCR2019)
		8. S. Jana, T.K. Kar, *A mathematical study of a prey-predator model in relevance to pest control*, Nonlinear Dynamics 74 (2013), 667--683.	2.34 (JCR2019)
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