

# CITATION REPORT

List of articles citing

## An Introduction to Delay Differential Equations with Applications to the Life Sciences

DOI: 10.1007/978-1-4419-7646-8  
Texts in Applied Mathematics, 2011, , .

**Source:** <https://exaly.com/paper-pdf/50186678/citation-report.pdf>

**Version:** 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
353	Neuronal model with distributed delay: analysis and simulation study for gamma distribution memory kernel. <b>2011</b> , 104, 369-83		10
352	Bubbles for a Class of Delay Differential Equations. <b>2011</b> , 10, 169-196		7
351	Role of delay in the stochastic creation process. <b>2011</b> , 84, 021128		14
350	An SEIR epidemic model with constant latency time and infectious period. <b>2011</b> , 8, 931-52		20
349	STEADY-STATE, HOPF AND STEADY-STATE-HOPF BIFURCATIONS IN DELAY DIFFERENTIAL EQUATIONS WITH APPLICATIONS TO A DAMPED HARMONIC OSCILLATOR WITH DELAY FEEDBACK. <b>2012</b> , 22, 1250286		12
348	Dynamics of a delay differential equation with multiple state-dependent delays. <b>2012</b> , 32, 2701-2727		16
347	Invariant Measures for Dissipative Dynamical Systems: Abstract Results and Applications. <b>2012</b> , 316, 723-761		39
346	Hopf Bifurcation in a Diffusive Logistic Equation with Mixed Delayed and Instantaneous Density Dependence. <b>2012</b> , 24, 897-925		41
345	Hopf bifurcation in a three stage-structured prey-predator model with hunting delay. <b>2012</b> ,		1
344	Existence of Solution for Delay Fractional Differential Equations. <b>2013</b> , 10, 1731-1747		31
343	Neuronal model with distributed delay: emergence of unimodal and bimodal ISI distributions. <b>2013</b> , 12, 1-12		6
342	Time Delay-Induced Instabilities and Hopf Bifurcations in General Reaction-Diffusion Systems. <i>Journal of Nonlinear Science</i> , <b>2013</b> , 23, 1-38	2.8	45
341	A note on the analysis of asymptotic mean-square stability properties for systems of linear stochastic delay differential equations. <b>2013</b> , 18, 1521-1531		
340	Global Exponential Stability of Positive Pseudo-Almost-Periodic Solutions for a Model of Hematopoiesis. <b>2013</b> , 2013, 1-7		8
339	Global Existence for Functional Differential Equations with State-Dependent Delay. <b>2013</b> , 2013, 1-7		5
338	Directly Solving Special Second Order Delay Differential Equations Using Runge-Kutta-Nyström Method. <b>2013</b> , 2013, 1-7		4
337	Novel criteria for exponential stability of functional differential equations. <b>2013</b> , 141, 3083-3091		18

336	Hermite Wavelet Method for Fractional Delay Differential Equations. <b>2014</b> , 2014, 1-8		49
335	Global Asymptotic Stability in a Class of Reaction-Diffusion Equations with Time Delay. <b>2014</b> , 2014, 1-8		1
334	Successive Vaccination and Difference in Immunity of a Delay SIR Model with a General Incidence Rate. <b>2014</b> , 2014, 1-10		1
333	New results on state bounding for discrete-time systems with interval time-varying delay and bounded disturbance inputs. <b>2014</b> , 8, 1405-1414		39
332	Global Exponential Stability of Positive Almost Periodic Solutions for a Fishing Model with a Time-Varying Delay. <b>2014</b> , 2014, 1-11		
331	Stability Analysis of Fractional-Order Nonlinear Systems with Delay. <b>2014</b> , 2014, 1-8		8
330	Almost periodic solutions for a delayed Nicholson's blowflies system with nonlinear density-dependent mortality terms and patch structure. <b>2014</b> , 2014,		7
329	Predator-Prey Interactions, Age Structures and Delay Equations. <b>2014</b> , 9, 92-107		7
328	Modeling of delays in PKPD: classical approaches and a tutorial for delay differential equations. <b>2014</b> , 41, 291-318		22
327	New results on global asymptotic stability for a class of delayed Nicholson's blowflies model. <i>Mathematical Methods in the Applied Sciences</i> , <b>2014</b> , 37, 2697-2703	2,3	8
326	Almost periodic solutions for a delayed Nicholson's blowflies model with a nonlinear density-dependent mortality term. <b>2014</b> , 2014,		9
325	Colored noise and memory effects on formal spiking neuron models. <b>2015</b> , 91, 062702		8
324	Large-time dynamics of the asymptotic Lohe model with a small time-delay. <b>2015</b> , 48, 425101		14
323	Positive almost periodic solutions for a single population model with hereditary effect and mixed delays. <i>Mathematical Methods in the Applied Sciences</i> , <b>2015</b> , 38, 4982-5004	2,3	6
322	A nonlocal diffusion population model with age structure and Dirichlet boundary condition. <b>2015</b> , 14, 2095-2115		2
321	New generalized Halanay inequalities with applications to stability of nonlinear non-autonomous time-delay systems. <b>2015</b> , 82, 563-575		46
320	Dynamical behaviors of a delayed HBV infection model with logistic hepatocyte growth, cure rate and CTL immune response. <b>2015</b> , 32, 575-593		2
319	DYNAMICS IN AN SIR MODEL WHEN VACCINATION DEMAND FOLLOWS PRIOR LEVELS OF DISEASE PREVALENCE. <b>2015</b> , 18, 1550021		1

318	Time Delays in Drug Administration: Effect, Transit, Tricks and Oscillations**Financial support of the Natural Sciences and Engineering Research Council (NSERC, Canada) [Discovery Grant to JB], the Fonds de Recherche du Québec Nature et Technologies (FRQNT, Québec) [Team Grant to JB and Doctoral Fellowship to AR] and Université de Montréal is acknowledged.. <b>2015</b> , 48, 111-116	1
317	Multirhythmicity in an optoelectronic oscillator with large delay. <b>2015</b> , 91, 012910	15
316	A New Framework for Analysis on Stability and Bifurcation in a Class of Neural Networks With Discrete and Distributed Delays. <b>2015</b> , 45, 2224-36	75
315	Nonlinear Models for the Delayed Immune Response to a Viral Infection. <b>2015</b> , 45, 450-456	4
314	Solvability of first order functional differential operators. <b>2015</b> , 53, 2065-2077	2
313	Functional Differential Equations With Delay and Random Effects. <b>2015</b> , 33, 1083-1091	2
312	Sunflower model: time-dependent coefficients and topology of the periodic solutions set. <b>2015</b> , 22, 1573-1590	4
311	Mathematical Ecology. <b>2015</b> , 157-295	0
310	Reaction Kinetics. <b>2015</b> , 483-632	
309	Global asymptotic stability and boundedness of certain multi-delay functional differential equations of third order. <i>Mathematical Methods in the Applied Sciences</i> , <b>2015</b> , 38, 3747-3752	2,3 9
308	Novel Criteria for Exponential Stability of Nonlinear Differential Systems With Delay. <b>2015</b> , 60, 485-490	17
307	Global analysis for spread of infectious diseases via transportation networks. <b>2015</b> , 70, 1411-56	25
306	Periodic oscillatory behavior on a four-node neural network model with distributed delay. <b>2016</b> , 7, 185-191	0
305	Optimal control of a delayed breast cancer stem cells nonlinear model. <b>2016</b> , 37, 248-258	9
304	A semidiscrete approximation scheme for linear neutral delay-differential equations which preserves adjoint semigroup convergence. <b>2016</b> ,	
303	Age-dependent intra-specific competition in pre-adult life stages and its effects on adult population dynamics. <b>2016</b> , 27, 131-156	2
302	Dynamical analysis of a competition model in the turbidostat with discrete delay. <b>2016</b> , 2016,	2
301	Innovation vs. imitation and the evolution of productivity distributions. <b>2016</b> , 11, 1053-1102	39

300	Radial basis function networks for delay differential equation. <b>2016</b> , 5, 139-144	1
299	Optimal control of linear multi-delay systems with piecewise constant delays. <b>2016</b> , dnw044	
298	Discrete-time map for an impulsive Goodwin oscillator with a distributed delay. <b>2016</b> , 28, 1	3
297	On the Existence and Exponential Attractivity of a Unique Positive Almost Periodic Solution to an Impulsive Hematopoiesis Model with Delays. <b>2016</b> , 41, 337-354	7
296	Explicit criteria for exponential stability of time-varying systems with infinite delay. <b>2016</b> , 28, 1	1
295	Finite-time stability for discrete-time system with time-varying delay and nonlinear perturbations. <b>2016</b> , 60, 67-73	36
294	Exponential Stability of Functional Differential Systems. <b>2016</b> , 44, 727-738	1
293	Stability of periodic solutions of nonlinear time-delay systems. <b>2016</b> , dnw003	
292	L.A.S. and Negative Schwarzian Derivative Do Not Imply G.A.S. in Clark's Equation. <b>2016</b> , 28, 339-374	8
291	State-dependent distributed-delay model of orthogonal cutting. <b>2016</b> , 84, 1147-1156	9
290	Numerical treatment of non-linear optimal control problems involving piecewise constant delay. <b>2016</b> , 33, 1103-1134	13
289	Periodic Solutions and Hydra Effect for Delay Differential Equations with Nonincreasing Feedback. <b>2017</b> , 16, 269-292	4
288	Stabilizing Transmission Intervals for Nonlinear Delayed Networked Control Systems. <b>2017</b> , 62, 488-494	21
287	Delay-dependent criteria on the global attractivity of Nicholson's blowflies model with patch structure. <i>Mathematical Methods in the Applied Sciences</i> , <b>2017</b> , 40, 4222-4232	2.3 13
286	Spatio-temporal phenomena in complex systems with time delays. <b>2017</b> , 50, 103001	66
285	Modified wavelets-Based algorithm for nonlinear delay differential equations of fractional order. <b>2017</b> , 9, 168781401769622	4
284	New result on the global attractivity of a delay differential neoclassical growth model. <b>2017</b> , 89, 281-288	9
283	Parametric Sensitivity Analysis of Oscillatory Delay Systems with an Application to Gene Regulation. <b>2017</b> , 79, 1539-1563	5

282	On the Qualitative Behaviors of Nonlinear Functional Differential Systems of Third Order. <b>2017</b> , 421-439	
281	Host coexistence in a model for two host-one parasitoid interactions. <b>2017</b> , 75, 419-441	2
280	Steady states and outbreaks of two-phase nonlinear age-structured model of population dynamics with discrete time delay. <b>2017</b> , 11, 75-101	12
279	Stable Numerical Approach for Fractional Delay Differential Equations. <b>2017</b> , 58, 1	20
278	GLOBAL EXPONENTIAL STABILITY OF ALMOST PERIODIC SOLUTIONS FOR NICHOLSON'S BLOWFLIES SYSTEM WITH NONLINEAR DENSITY-DEPENDENT MORTALITY TERMS AND PATCH STRUCTURE. <b>2017</b> , 22, 484-502	13
277	Stability and square integrability of derivatives of solutions of nonlinear fourth order differential equations with delay. <b>2017</b> , 2017, 134	
276	deBInfer: Bayesian inference for dynamical models of biological systems in R. <b>2017</b> , 8, 511-518	15
275	Constructive Solutions for Systems of Iterative Functional Equations. <b>2017</b> , 45, 273-299	8
274	Existence and global asymptotic behaviour of positive periodic solution of an SI epidemic model with delays. <b>2017</b> , 32, 295-303	1
273	Relative Controllability of Nonlinear Fractional Delay Dynamical Systems with Time Varying Delay in Control. <b>2017</b> , 369-379	2
272	Fractional Partial Random Differential Equations with State-Dependent Delay. <b>2017</b> , 55, 21-35	
271	Stability Switches and Hopf Bifurcations in a Second-Order Complex Delay Equation. <b>2017</b> , 2017, 1-4	1
270	The roles of maturation delay and vaccination on the spread of Dengue virus and optimal control. <b>2017</b> , 2017,	5
269	Global attractivity of a delayed Nicholson-type system involving nonlinear density-dependent mortality terms. <i>Mathematical Methods in the Applied Sciences</i> , <b>2018</b> , 41, 2379	2.3 7
268	Complementarity between term-time forcing and delayed vaccination response in explaining irregular dynamics in childhood diseases. <b>2018</b> , 67, 175-204	1
267	A matter of maturity: To delay or not to delay? Continuous-time compartmental models of structured populations in the literature 2000-2016. <b>2018</b> , 31,	9
266	A distributed delay approach for modeling delayed outcomes in pharmacokinetics and pharmacodynamics studies. <b>2018</b> , 45, 285-308	8
265	Transit and lifespan in neutrophil production: implications for drug intervention. <b>2018</b> , 45, 59-77	18

264	Delay effect in the Lasota-Ważewska model with multiple time-varying delays. <i>International Journal of Biomathematics</i> , <b>2018</b> , 11, 1850013	1.8	2
263	Global dynamics for a class of non-monotone time-delayed reaction-diffusion equations. <b>2018</b> , 2018,		
262	Dynamical behaviors on a delay differential neoclassical growth model with patch structure. <i>Mathematical Methods in the Applied Sciences</i> , <b>2018</b> , 41, 3856-3867	2.3	7
261	Experimental Investigation of Temperature Oscillations in Loop Heat Pipes. <b>2018</b> ,		2
260	Asymptotic Behaviour for a Class of Non-monotone Delay Differential Systems with Applications. <b>2018</b> , 30, 911-935		10
259	Influence of distributed delays on the dynamics of a generalized immune system cancerous cells interactions model. <b>2018</b> , 54, 389-415		6
258	Sensitivity to Small Delays of Pathwise Stability for Stochastic Retarded Evolution Equations. <b>2018</b> , 31, 1625-1646		7
257	Stability Analysis for Chemical Reaction Networks with Time Delays by Decomposing them into Weakly Reversible Sub-Networks. <b>2018</b> ,		1
256	New Qualitative Results for Solutions of Functional Differential Equations of Second Order. <b>2018</b> , 2018, 1-13		8
255	Dynamics of a Stage Structured Intraguild Predation Model. <b>2018</b> , 327-337		1
254	Dynamical analysis of a competition and cooperation system with multiple delays. <b>2018</b> , 2018,		2
253	Active particles bound by information flows. <b>2018</b> , 9, 3864		57
252	Influence of time delay on information exchanges between coupled linear stochastic systems. <b>2018</b> , 98,		7
251	Global attractivity of asymptotically almost periodic Nicholson's blowflies models with a nonlinear density-dependent mortality term. <i>International Journal of Biomathematics</i> , <b>2018</b> , 11, 1850079	1.8	5
250	Transient phenomena in ecology. <b>2018</b> , 361,		168
249	Oscillation Criteria for Delay and Advanced Differential Equations with Nonmonotone Arguments. <b>2018</b> , 2018, 1-18		41
248	Lagged multi-affine height correlation analysis for exploring lagged correlations in complex systems. <b>2018</b> , 28, 061102		3
247	Numerical and Analytical Methods of Study of Stochastic Systems with Delay. <b>2018</b> , 230, 746-751		1

246	Dynamics of an Infectious Disease Including Ectoparasites, Rodents and Humans. <b>2018</b> , 59-73	1
245	Realization of Nonlinear Time-Delay Input-Output Equations. <b>2018</b> , 2, 369-374	2
244	Suppression of Multimodality in Inter-Spike Interval Distribution: Role of External Damped Oscillatory Input. <b>2018</b> , 17, 329-341	4
243	Analysis of an epidemic model with peer-pressure and information-dependent transmission with high-order distributed delay. <b>2019</b> , 68, 453-468	1
242	New Sufficient Conditions for Finite Time Stability of Nonlinear Time Delay Systems. <b>2019</b> , 21, 2321-2329	3
241	On the asymptotic stability of solutions of stochastic differential delay equations of second order. <b>2019</b> , 13, 875-882	10
240	Travelling fronts in time-delayed reaction-diffusion systems. <b>2019</b> , 377, 20180127	4
239	Diffusive spatial movement with memory and maturation delays. <b>2019</b> , 32, 3188-3208	19
238	Numerical solutions of fractional delay differential equations using Chebyshev wavelet method. <b>2019</b> , 38, 1	8
237	Fokker-Planck Equations for Time-Delayed Systems via Markovian Embedding. <b>2019</b> , 177, 95-118	7
236	Model-Based Stabilization of a Fermentation Process Using Output Feedback with Discrete Time Delay. <b>2019</b> , 342-350	0
235	( $\mathcal{L}^p$ )-calculus Approach to the Random Autonomous Linear Differential Equation with Discrete Delay. <b>2019</b> , 16, 1	7
234	An SIQ delay differential equations model for disease control via isolation. <b>2019</b> , 79, 249-279	15
233	A mathematical model of viral oncology as an immuno-oncology instigator. <b>2020</b> , 37, 117-151	5
232	The stability with a general decay of stochastic delay differential equations with Markovian switching. <b>2019</b> , 359, 294-307	7
231	Bifurcation analysis of a forced delay equation for machine tool vibrations. <b>2019</b> , 98, 2961-2974	1
230	Bifurcation analysis of a multidelayed HIV model in presence of immune response and understanding of in-host viral dynamics. <i>Mathematical Methods in the Applied Sciences</i> , <b>2019</b> , 42, 4256-4272	9
229	Dhage iterative principle for quadratic perturbation of fractional boundary value problems with finite delay. <i>Mathematical Methods in the Applied Sciences</i> , <b>2019</b> , 42, 4244-4255	2.3 4



228	Optimal control for a time delay multi-strain tuberculosis fractional model: a numerical approach. <b>2019</b> , 36, 317-340		14
227	On the gamma-logistic map and applications to a delayed neoclassical model of economic growth. <b>2019</b> , 96, 219-227		1
226	A model of predator-prey differential equation with time delay. <b>2019</b> , 1320, 012001		
225	Stabilization of Hardware-in-the-Loop Ideal Transformer Model Interfacing Algorithm by Using Spectrum Assignment. <b>2019</b> , 34, 1865-1873		4
224	Intrinsic noise, Delta-Notch signalling and delayed reactions promote sustained, coherent, synchronized oscillations in the presomitic mesoderm. <b>2019</b> , 16, 20190436		3
223	Novel Criteria for Exponential Stability of Linear Non-Autonomous Functional Differential Equations. <b>2019</b> , 32, 479-495		2
222	Geometric stability switch criteria in delay differential equations with two delays and delay dependent parameters. <b>2019</b> , 266, 7073-7100		21
221	Generalized fractional order Chebyshev wavelets for solving nonlinear fractional delay-type equations. <b>2019</b> , 17, 1950014		2
220	Exponential stability of pseudo almost periodic delayed Nicholson-type system with patch structure. <i>Mathematical Methods in the Applied Sciences</i> , <b>2019</b> , 42, 592-604	2.3	17
219	An efficient hybrid reduction method for time-delay systems using Hermite expansions. <i>International Journal of Control</i> , <b>2019</b> , 92, 1033-1043	1.5	3
218	Well-Posedness for a System of Integro-Differential Equations. <b>2020</b> , 28, 999-1013		
217	Diffusive Spatial Movement with Memory. <b>2020</b> , 32, 979-1002		14
216	An Explicit Periodic Solution of a Delay Differential Equation. <b>2020</b> , 32, 163-179		1
215	Stability of Almost Periodic Nicholson's Blowflies Model Involving Patch Structure and Mortality Terms. <b>2020</b> , 63, 405-422		57
214	Blow-up for some nonautonomous differential equations and inequalities with deviating arguments. <b>2020</b> , 26, 459-475		1
213	Global Dynamics of a Novel Delayed Logistic Equation Arising from Cell Biology. <i>Journal of Nonlinear Science</i> , <b>2020</b> , 30, 397-418	2.8	8
212	On the Effect of Age-Dependent Mortality on the Stability of a System of Delay-Differential Equations Modeling Erythropoiesis. <b>2020</b> , 68, 5-19		0
211	Periodicity on Nicholson's blowflies systems involving patch structure and mortality terms. <b>2020</b> , 32, 359-371		6

210	A new high accuracy method in exponential form based on off-step discretization for non-linear two point boundary value problems. <b>2020</b> , 26, 171-202		3
209	Stability analysis in a mosquito population suppression model. <b>2020</b> , 14, 578-589		8
208	Stability for patch structure Nicholson's blowflies systems involving distinctive maturation and feedback delays. <b>2020</b> , 1-13		
207	Mathematical modelling for scarlet fever with direct and indirect infections. <b>2020</b> , 14, 767-787		2
206	Global convergence dynamics of almost periodic delay Nicholson's blowflies systems. <b>2020</b> , 14, 633-655		4
205	Modeling the suppression dynamics of mosquitoes with mating inhomogeneity. <b>2020</b> , 14, 656-678		1
204	On the Geometric Diversity of Wavefronts for the Scalar Kolmogorov Ecological Equation. <i>Journal of Nonlinear Science</i> , <b>2020</b> , 30, 2989-3026	2.8	
203	Characterizing Chemotherapy-Induced Neutropenia and Monocytopenia Through Mathematical Modelling. <b>2020</b> , 82, 104		5
202	Dynamics of a Predator-Prey Model with Distributed Delay to Represent the Conversion Process or Maturation. <b>2020</b> , 1		1
201	New periodic stability for a class of Nicholson's blowflies models with multiple different delays. <i>International Journal of Control</i> , <b>2020</b> , 1-6	1.5	9
200	Dynamics of microorganism cultivation with delay and stochastic perturbation. <b>2020</b> , 101, 501-519		1
199	Long-time dynamics of a nonlinear Timoshenko beam with discrete delay term and nonlinear damping. <b>2020</b> , 61, 061505		2
198	Smooth Dynamics for Distributed Constrained Optimization With Heterogeneous Delays. <b>2020</b> , 4, 626-631		3
197	Limiting the oscillations in queues with delayed information through a novel type of delay announcement. <b>2020</b> , 95, 281-330		4
196	A New Approximation Approach for Transient Differential Equation Models. <b>2020</b> , 8,		1
195	New Scheme for Estimation of the First and Senior Moment Functions for the Response of Linear Delay Differential System Excited by Additive and Multiplicative Noises. <b>2020</b> , 246, 525-539		
194	On norm-based estimations for domains of attraction in nonlinear time-delay systems. <b>2020</b> , 100, 2027-2045		3
193	Reconstruction of the Sturm-Liouville differential operators with discontinuity conditions and a constant delay. <b>2020</b> , 51, 659-668		1

192	Multidecadal variability in the climate system: phenomena and mechanisms. <b>2020</b> , 135, 1		3
191	Existence, boundedness and integrability of global solutions to delay integro-differential equations of second order. <b>2020</b> , 14, 235-243		1
190	Dynamic analysis on a delayed nonlinear density-dependent mortality Nicholson's blowflies model. <i>International Journal of Control</i> , <b>2020</b> , 1-7	1.5	3
189	Resonance of Periodic Combination Antiviral Therapy and Intracellular Delays in Virus Model. <b>2020</b> , 82, 29		1
188	Approximation of eigenvalues of evolution operators for linear coupled renewal and retarded functional differential equations. <b>2020</b> , 69, 457-481		2
187	Global Stability for a Class of Nonlinear PDE with Non-local Term. <b>2020</b> , 178, 420-471		
186	Floquet Theory and Stability of Periodic Solutions of Renewal Equations. <b>2021</b> , 33, 677-714		6
185	Nonstandard finite difference schemes for general linear delay differential systems. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> , 44, 3985-3999	2.3	2
184	Numerical simulation for fractional delay differential equations. <b>2021</b> , 9, 463-474		23
183	On the convergence of Jacobi-Gauss collocation method for linear fractional delay differential equations. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> , 44, 2237-2253	2.3	5
182	Analytic solution to the generalized delay diffusion equation with uncertain inputs in the random Lebesgue sense. <i>Mathematical Methods in the Applied Sciences</i> , <b>2021</b> , 44, 2265-2272	2.3	1
181	Monotone skew-Product Semiflows for Carathéodory Differential Equations and Applications. 1		0
180	Hopf Bifurcation of a Gene-Protein Network Module with Reaction Diffusion and Delay Effects. <b>2021</b> , 10, 91-105		
179	A computational approximation for the solution of retarded functional differential equations and their applications to science and engineering. <b>2021</b> ,		1
178	Global and exponential attractors for a nonlinear porous elastic system with delay term. <b>2021</b> , 26, 2805		2
177	Limit Cycles in Planar Systems of Ordinary Differential Equations. <b>2021</b> , 2291-2318		
176	Optimal harvesting for a stochastic competition system with stage structure and distributed delay. <b>2021</b> , 1-22		1
175	Global population dynamics of a single species structured with distinctive time-varying maturation and self-limitation delays. <b>2021</b> ,		6

174	Stability and Bifurcation Analysis of a Type of Hematopoietic Stem Cell Model. <b>2021</b> , 10, 13-27	0
173	Periodic Perturbations of a Class of Functional Differential Equations. 1	0
172	Markovian Embedding A New Derivation of the Fokker-Planck Hierarchy. <b>2021</b> , 137-157	
171	Oscillations and Periodic Solutions in a Two-Dimensional Differential Delay Model. <b>2021</b> , 59-70	
170	Dynamics of a Mathematical Model for the Propagation of Wolbachia Bacteria in Mosquito Populations. <b>2021</b> , 10, 1855-1869	
169	A novel mathematical model of heterogeneous cell proliferation. <b>2021</b> , 82, 34	2
168	Nonlinear delay differential equations and their application to modeling biological network motifs. <b>2021</b> , 12, 1788	8
167	Regional opening strategies with commuter testing and containment of new SARS-CoV-2 variants.	1
166	Direct proof of unconditional asymptotic consensus in the Hegselmann-Krause model with transmission-type delay. <b>2021</b> , 53, 1312	1
165	Dynamics analysis of delayed Nicholson-type systems involving patch structure and asymptotically almost periodic environments. 1-24	
164	Well posedness and asymptotic consensus in the Hegselmann-Krause model with finite speed of information propagation. <b>2021</b> , 149, 3425-3437	1
163	A delay model for persistent viral infections in replicating cells. <b>2021</b> , 82, 59	2
162	Optimal control problem for fractional stochastic delayed systems with noninstantaneous impulses. <b>2021</b> , 38, 855-880	2
161	Immune dynamics in a time of covid.	
160	Persistence and Stability for a Class of Forced Positive Nonlinear Delay-Differential Systems. <b>2021</b> , 174, 1	
159	Delay differential equations based models in NONMEM. <b>2021</b> , 48, 763-802	0
158	Hopf Bifurcation in a Reaction-Diffusion-Advection Two Species Model with Nonlocal Delay Effect. 1	0
157	Delay-induced blow-up in a planar oscillation model. <b>2021</b> , 38, 1037-1061	1

156	Delay-dependent attractivity on a tick population dynamics model incorporating two distinctive time-varying delays. <b>2021</b> , 477, 20210302		2
155	On the behaviors of solutions of systems of non-linear differential equations with multiple constant delays. <b>2021</b> , 115, 1		4
154	Neural closure models for dynamical systems. <b>2021</b> , 477, 20201004		1
153	Age-structure model for oncolytic virotherapy. <i>International Journal of Biomathematics</i> , 2150091	1.8	1
152	Stability and Hopf Bifurcation Analysis for a Two-Species Commensalism System with Delay. <b>2021</b> , 20, 1		1
151	An efficient method for linear fractional delay integro-differential equations. <b>2021</b> , 40, 1		1
150	On implicit coupled systems of fuzzy fractional delay differential equations with triangular fuzzy functions. <b>2021</b> , 6, 3741-3760		1
149	Spontaneous Symmetry-Breaking in Deterministic Queueing Models with Delayed Information. <b>2021</b> , 15-25		1
148	Bifurcation Analysis of the Regulatory Modules of the Mammalian $\text{M/G/1}$ Phase with Time Delay. <b>2021</b> , 10, 29-48		
147	Absolute Stability and Conditional Stability in General Delayed Differential Equations. <b>2013</b> , 117-131		5
146	An Introduction to Delay-Coupled Reservoir Computing. <b>2015</b> , 63-90		7
145	Boundedness of Solutions to a Certain System of Differential Equations with Multiple Delays. <b>2016</b> , 109-123		1
144	Non-autonomous Functional Differential Equations and Applications. <b>2013</b> , 185-263		8
143	A fractional nonlinear evolutionary delay system driven by a hemi-variational inequality in Banach spaces. <b>2021</b> , 41, 187-206		8
142	Design of state-dependent impulsive observer for non-linear time-delay systems. <b>2019</b> , 13, 3155-3163		2
141	Dynamics of a chemostat with periodic nutrient supply and delay in the growth. <b>2020</b> , 33, 5839-5860		3
140	Global dynamics of neoclassical growth model with multiple pairs of variable delays. <b>2020</b> , 33, 6819-6834		25
139	Characterizing chemotherapy-induced neutropenia and monocytopenia through mathematical modelling.		1

138	Sumudu Decomposition Method for Solving Fractional Delay Differential Equations. <b>2017</b> , 1,	5
137	Analysis of Linear Piecewise Constant Delay Systems Using a Hybrid Numerical Scheme. <b>2016</b> , 2016, 1-9	1
136	Novel stability criteria on nonlinear density-dependent mortality Nicholson's blowflies systems in asymptotically almost periodic environments. <b>2020</b> , 2020,	28
135	New results on global asymptotic stability for a nonlinear density-dependent mortality Nicholson's blowflies model with multiple pairs of time-varying delays. <b>2020</b> , 2020,	9
134	Asymptotically almost periodic dynamics on delayed Nicholson-type system involving patch structure. <b>2020</b> , 2020,	16
133	On the asymptotic analysis of bounded solutions to nonlinear differential equations of second order. <b>2019</b> , 2019,	3
132	Global asymptotic stability for a nonlinear density-dependent mortality Nicholson's blowflies system involving multiple pairs of time-varying delays. <b>2020</b> , 2020,	2
131	New results on global exponential stability for a periodic Nicholson's blowflies model involving time-varying delays. <b>2020</b> , 2020,	17
130	( $\omega$ , $c$ )-periodic functions and mild solutions to abstract fractional integro-differential equations. <b>2018</b> , 1-8	16
129	On the stability properties of a delay differential neoclassical model of economic growth. <b>2018</b> , 1-14	5
128	Global attractivity of positive periodic solution of a delayed Nicholson model with nonlinear density-dependent mortality term. <b>2019</b> , 1-21	4
127	On the set of harmonic solutions of a class of perturbed coupled and nonautonomous differential equations on manifolds. <b>2017</b> , 16, 1471-1492	1
126	Low-dimensional galerkin approximations of nonlinear delay differential equations. <b>2016</b> , 36, 4133-4177	13
125	Monotone dynamical systems: Reflections on new advances & applications. <b>2017</b> , 37, 485-504	13
124	Stability conditions for a class of delay differential equations in single species population dynamics. <b>2012</b> , 17, 2451-2464	7
123	Persistence in some periodic epidemic models with infection age or constant periods of infection. <b>2014</b> , 19, 1155-1170	8
122	Spread of phage infection of bacteria in a petri dish. <b>2015</b> , 21, 471-496	2
121	Stability of nonlinear differential systems with delay. <b>2015</b> , 4, 493-505	3

120	Cucker-Smale model with normalized communication weights and time delay. <b>2017</b> , 10, 1011-1033	41
119	Delay equations modeling the effects of phase-specific drugs and immunotherapy on proliferating tumor cells. <b>2012</b> , 9, 241-57	8
118	Mathematical modeling of glassy-winged sharpshooter population. <b>2014</b> , 11, 667-77	4
117	Stability and bifurcation analysis of epidemic models with saturated incidence rates: An application to a nonmonotone incidence rate. <b>2014</b> , 11, 785-805	8
116	Stability and persistence in ODE models for populations with many stages. <b>2015</b> , 12, 661-86	9
115	Discrete or distributed delay? Effects on stability of population growth. <b>2016</b> , 13, 19-41	13
114	Dynamics of simple earthquake model with time delay and variation of friction strength. <b>2013</b> , 20, 857-865	9
113	PCa dynamics with neuroendocrine differentiation and distributed delay. <b>2021</b> , 18, 8577-8602	1
112	Lyapunov-Razumikhin techniques for state-dependent delay differential equations. <b>2021</b> , 304, 287-325	1
111	Encyclopedia of Computational Neuroscience. <b>2013</b> , 1-8	
110	A Delayed Predator-Prey Model with Migration Rate and Holling-II Type Functional Response. <b>2014</b> , 03, 231-244	1
109	Functional Differential Model of an Anaerobic Biodegradation Process. <b>2015</b> , 101-108	
108	Stability analysis for linear heat conduction with memory kernels described by Gamma functions. <b>2015</b> , 35, 3569-3584	0
107	Encyclopedia of Applied and Computational Mathematics. <b>2015</b> , 334-338	
106	ON SOME QUALITATIVE BEHAVIORS OF CERTAIN DIFFERENTIAL EQUATIONS OF FOURTH ORDER WITH MULTIPLE RETARDATIONS. <b>2016</b> , 6, 336-349	1
105	Global Dynamics and Periodic Solutions in a Singular Differential Delay Equation. <b>2016</b> , 629-639	
104	Characteristic roots for two-lag linear delay differential equations. <b>2016</b> , 21, 2409-2422	0
103	Exponential stability for nonautonomous functional differential equations with state-dependent delay. <b>2017</b> , 22, 3167-3197	1

- 102 Bibliography. **2017**, 213-230
- 101 Delay equations and characteristic roots: stability and more from a single curve. **2018**, 1-22
- 100 Encyclopedia of Computational Neuroscience. **2018**, 1-7
- 99 A mathematical model of viral oncology as an immuno-oncology instigator.
- 98 A Tuberculosis Epidemic Model with Latent and Treatment Period Time Delays. **2019**, 91-115
- 97 Numerical Continuation and Bifurcation Analysis in a Harvested Predator-Prey Model with Time Delay using DDE-Biftool. **2019**, 225-241 3
- 96 Taming Delays in Dynamical Systems. **2019**, 650-669 2
- 95 Mathematical analysis and global dynamics for a time-delayed Chronic Myeloid Leukemia model with treatment. **2020**, 15, 68
- 94 Existence of Solution to Fractional Order Impulsive Partial Hyperbolic Differential Equations with Infinite Delay. **2020**, 4, 77-91 1
- 93 Technical Note: A fast and robust integrator of delay differential equations in DCM for electrophysiological data.
- 92 Limit Cycles in Planar Systems of Ordinary Differential Equations. **2020**, 1-28
- 91 The Topology of Communicating Across Cities of Increasing Sizes, or the Complex Task of Reaching Out in Larger Cities. **2020**, 97-118 1
- 90 On the global attractor of delay differential equations with unimodal feedback not satisfying the negative Schwarzian derivative condition. **2020**, 1-15
- 89 Oscillations and Synchrony in a Network of Delayed Neural Masses. **2021**, 187-211
- 88 Threshold dynamics and threshold analysis of HIV infection model with treatment. **2020**, 2020, 1
- 87 LIF Neuron with Hypo-exponential Distributed Delay: Emergence of Unimodal, Bimodal, Multimodal ISI Distribution with Long Tail. **2020**, 14, 148-160 0
- 86 History-dependent fractional hemivariational inequality with time-delay system for a class of new frictionless quasistatic contact problems. 108128652110541 1
- 85 On the Profitability of Selfish Blockchain Mining Under Consideration of Ruin. 3



84	Bistable and oscillatory dynamics of Nicholson’s blowflies equation with Allee effect. <b>2021</b> ,	1
83	Attractivity analysis on a neoclassical growth system incorporating patch structure and multiple pairs of time-varying delays. <b>2021</b> , 1-17	
82	Application of genetic algorithm with multi-parent crossover on an inverse problem in delay differential equations. <b>2021</b> ,	
81	Dynamics of an IS-LM macroeconomic model with delay-dependent coefficients. <b>2021</b> ,	
80	The Spatially Homogeneous Hopf Bifurcation Induced Jointly by Memory and General Delays in a Diffusive System.	
79	Characterizing multistability regions in the parameter space of the Mackey-Glass delayed system. 1	0
78	On controllability for a class of multi-term time-fractional random differential equations with state-dependent delay. <b>2022</b> , 13, 1	1
77	Small two-delay differential equations for Parkinson’s disease models using Taylor series transform. 1	1
76	Stability bounds of a delay visco-elastic rheological model with substrate friction. <b>2021</b> , 83, 71	1
75	Extremal mild solutions to fractional delay integro-differential equations with non-instantaneous impulses. 1-20	2
74	Nonlinear effects of instantaneous and delayed state dependence in a delayed feedback loop. <b>2022</b> ,	
73	Replication of period-doubling route to chaos in coupled systems with delay. <b>2022</b> , 36, 599-613	
72	Fourth-Order Method for Differential Equations with Discrete and Distributed Delays. <b>2022</b> , 199-206	
71	Van der Pol model in two-delay differential equation representation.. <b>2022</b> , 12, 2925	0
70	Existence and Ulam stability results for two orders neutral fractional differential equations. <b>2022</b> , 33, 1	
69	Regional opening strategies with commuter testing and containment of new SARS-CoV-2 variants in Germany.. <b>2022</b> , 22, 333	2
68	Global Stability Analysis of An Unemployment Model with Two Distributed Time Delays. <b>2022</b> , 525-535	0
67	Global Stability Analysis of Dengue Model with Awareness, Vector Control and Time Delays. <b>2022</b> , 177-195	

66	An efficient numerical method for coupled systems of singularly perturbed parabolic delay problems. <b>2022</b> , 41, 1		0
65	Piecewise discretization of monodromy operators of delay equations on adapted meshes. <b>2022</b> ,		1
64	Flocking in the Cucker-Smale model with self-delay and nonsymmetric interaction weights. <b>2022</b> , 126261		
63	Periodic, permanent, and extinct solutions to population models. <b>2022</b> , 126262		
62	Global asymptotic stability of a scalar delay Nicholson's blowflies equation in periodic environment. <b>2022</b> , 1-10		1
61	Stability and Bifurcation Analysis of a Fractional Order Delay Differential Equation Involving Cubic Nonlinearity.		
60	Asymptotic behavior of the linear consensus model with delay and anticipation. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	
59	Stability and boundedness criteria of solutions of a certain system of second order differential equations. 1		0
58	A new Chelyshkov matrix method to solve linear and nonlinear fractional delay differential equations with error analysis. 1		2
57	Global Attractivity for Nonautonomous Delay-Differential Equations with Mixed Monotonicity and Two Delays.		
56	Bistability, bifurcations and chaos in the Mackey-Glass equation. <b>2022</b> ,		
55	The role of time-varying viral shedding in modelling environmental surveillance for public health: revisiting the 2013 poliovirus outbreak in Israel.. <b>2022</b> , 19, 20220006		0
54	Stage duration distributions and intraspecific competition: a review of continuous stage-structured models. <b>2022</b> , 19, 7543-7569		0
53	Global attractivity of Nicholson's blowflies system with patch structure and multiple pairs of distinct time-varying delays. <i>International Journal of Biomathematics</i> ,	1.8	1
52	Stability on a patch-structured Nicholson's blowflies system incorporating mature delay and feedback delay. <i>International Journal of Control</i> , 1-0	1.5	1
51	Non-autonomous Differential Systems with Delays: A Global Attraction Analysis. <i>Journal of Nonlinear Science</i> , <b>2022</b> , 32,	2.8	
50	Approximation of solutions of DDEs under nonstandard assumptions via Euler scheme. <i>Numerical Algorithms</i> ,	2.1	
49	Krawtchouk wavelets method for solving Caputo and Caputo-Hadamard fractional differential equations. <i>Mathematical Methods in the Applied Sciences</i> ,	2.3	

48	Novel results on attractivity of a neoclassical growth system incorporating multiple pairs of time-varying delays. <i>International Journal of Biomathematics</i> ,	1.8	1
47	Time-Delayed Neural Networks: Stability and Oscillations. <b>2022</b> , 3434-3440		
46	Asymptotic stability in a mosquito population suppression model with time delay. <i>International Journal of Biomathematics</i> ,	1.8	0
45	Stability of epidemic models with waning immunity. <b>2014</b> , 50,		12
44	Impact of releasing period and magnitude on mosquito population in a sterile release model with delay. <b>2022</b> , 85,		2
43	Fitted Parameter Exponential Spline Method for Singularly Perturbed Delay Differential Equations with a Large Delay. <b>2022</b> , 2022, 1-11		1
42	Numerical Approach for Solving the Fractional Pantograph Delay Differential Equations. <b>2022</b> , 2022, 1-10		1
41	Delay Models. <b>2022</b> , 325-361		0
40	Attractivity criterion on a delayed tick population dynamics equation with a reproductive function $f(u) = ru^{\gamma}e^{-\sigma u}$ . <b>2022</b> , 19, 12852-12865		0
39	Existence and controllability results for integrodifferential equations with state-dependent delay and random effects. <b>2022</b> , 36, 1363-1379		0
38	On Mathematical Aspects of Evolution of Dislocation Density in Metallic Materials. <b>2022</b> , 10, 86793-86812		1
37	Wolbachia Dynamics in Mosquitoes with Incomplete CI and Imperfect Maternal Transmission by a DDE System. <b>2022</b> , 84,		1
36	Dynamics of cancerous tumors under the effect of delayed information: mathematical and electronic study.		0
35	A uniformly convergent defect correction method for parabolic singular perturbation problems with a large delay.		0
34	Cucker-Smale model with finite speed of information propagation: Well-posedness, flocking and mean-field limit. <b>2022</b> , 0		0
33	QUALITATIVE ANALYSIS OF IMPLICIT DELAY MITTAG-LEFFLER-TYPE FRACTIONAL DIFFERENTIAL EQUATIONS.		0
32	Theta neuron subject to delayed feedback: a prototypical model for self-sustained pulsing. <b>2022</b> , 478,		0
31	Bifurcation analysis for a single population model with advection. <b>2022</b> , 85,		0

- 30 A Note on the Julia Sets of Entire Solutions to Delay Differential Equations. **2023**, 43, 143-155 ○
- 29 Applications of the Delay Stochastic Simulation Algorithm (DSSA) in Mathematical Epidemiology. **2022**, 10, 3759 ○
- 28 Pattern-Selective Feedback Stabilization of Ginzburg-Landau Spiral Waves. ○
- 27 Analysis of Exponential Runge-Kutta Methods for Differential Equations with Time Delay. **2022**, 2022, 1-11 ○
- 26 Modeling of periodic compensation policy for sterile mosquitoes incorporating sexual lifespan. ○
- 25 On the Fundamental Analyses of Solutions to Nonlinear Integro-Differential Equations of the Second Order. **2022**, 10, 4235 ○
- 24 A stable second-order difference scheme for the generalized time-fractional non-Fickian delay reaction-diffusion equations. ○
- 23 Delay Differential Equations for Epidemic Models with Temporary Immunity. **2022**, 99-105 ○
- 22 Passivity-Based Distributed Control for Cooperative Unknown Payload Manipulation with Sensing/Actuation Delays. **2022**, ○
- 21 Existence and Controllability of a Class of Non-autonomous Nonlinear Evolution Fractional Integrodifferential Equations with Delay. **2022**, 21, ○
- 20 Viral Infection Model with Diffusion and Distributed Delay: Finite-Dimensional Global Attractor. **2023**, 22, ○
- 19 Testing time-delayed cosmology. **2022**, 82, 2
- 18 Neuron Scale Modeling of Prion Production with the Unfolded Protein Response. **2022**, 21, 2487-2517 ○
- 17 Dynamics of a simple mathematical model for unemployment with time delay. **2022**, 58, 85-95 ○
- 16 Stability and robust stability of non-autonomous linear differential equations with infinite delay. **2023**, 0-0 ○
- 15 A Computational Block Method with Five Hybrid-Points for Differential Equations Containing a Piece-wise Constant Delay. ○
- 14 A generalized distributed delay model of COVID-19: An endemic model with immunity waning. **2023**, 20, 5379-5412 ○
- 13 Solution of multi-term fractional order delay differential equations using homotopy analysis method. **2023**, ○

- 12 Almost periodic stability on a delay Nicholson-Blowflies equation. 1-14
- 11 Atangana-Baleanu-Caputo differential equations with mixed delay terms and integral boundary conditions.
- 10 Dynamics analysis of a non-smooth Filippov pest-natural enemy system with time delay. **2023**, 111, 9681-9698
- 9 Turing-Hopf bifurcation of a diffusive Holling-Tanner model with nonlocal effect and digestion time delay.
- 8 On new updated concept for delay differential equations with piecewise Caputo fractional-order derivative. 1-20
- 7 An Iterative Scheme for Solving Arbitrary-Order Nonlinear Volterra Integro-Differential Equations Involving Delay.
- 6 Lagrange stability in terms of two measures with initial time difference for set differential equations involving causal operators. **2023**, 72, 84-104
- 5 The emergence of a virus variant: dynamics of a competition model with cross-immunity time-delay validated by wastewater surveillance data for COVID-19. **2023**, 86,
- 4 Relaxation Oscillations in the Logistic Equation with Delay and Modified Nonlinearity. **2023**, 11, 1699
- 3 On the Construction of Exact Numerical Schemes for Linear Delay Models. **2023**, 11, 1836
- 2 Delays and Exposed Populations in Infection Models. **2023**, 11, 1919
- 1 Size-Resolved Modeling of Diatom Populations. **2023**, 19-61