

Journal of Applied Nonlinear Dynamics

Volume 11, Issue 4

December 2022

Contents

An (α, β) - Quadratic Stochastic Operator Acting in S^2 <i>U.U. Jamilov, Kh. O. Khudoyberdiev.....</i>	777–788
Multiplicity of Solutions for a Class of Nonlinear Fractional Boundary Value Systems via Variational Approach <i>Fares Kamache, Rafik Guefaifia, Salah Boulaaras.....</i>	789–803
Licensing by Fixed-Fee and Two-Part Tariff in a Differentiated Stackelberg Model when the Follower is the Innovator <i>Flávio Ferreira, Oana R. Bode.....</i>	805–815
Understanding the Toxic Effect on Marin Food Chain Ecosystem: A Mathematical Approach and Optimal Control Technique <i>S.M. Mahathy Hasan, Md. Haider Ali Biswas, Laek Sazzad Andallah.....</i>	817–832
Delay-induced Synchronization on a Dynamical Network of Euler's Beams Indirectly Interconnected via a Piezoelectric Semi-active Contro <i>Stève Cloriant Mba Feulefack, Blaise Roméo Nana Nbendjo.....</i>	833–844
On the Dynamics of a Harvested Tri-trophic Food Chain Model with Alternative Food Source <i>Lakshmi Narayan Guin, Sarmistha Pal, Muniyagounder Samath.....</i>	845–861
Existence and Exponential Stability for Neutral Stochastic Integrodifferential Equation Driven by Fractional Brownian Motion and Poisson Jumps <i>K. Ramkumar, K. Ravikumar, A. Anguraj.....</i>	863–873
Chaos and Its Control in a Fractional Order Glucose-insulin Regulatory System <i>P. Y. Dousseh, L. A. Hinvi, C.H. Miwadinou, A. V. Monwanou, J. B. Chabi Orou.....</i>	875–893
Hopf Bifurcation in a Delayed Brusselator Model with Network Structure <i>Hongxia Liu, Ranchao Wu, Mengxin Chen.....</i>	895–912
A variety of Gronwall Inequalities of Fractional Variable Order <i>George A. Anastassiou.....</i>	913–925
Alternative Resource and Harvesting in Predator-prey Dynamics: Analyzing a Delay Model <i>Sukumar Samanta, Banshidhar Sahoo, Pralay Poria, Sanat Kumar Mahato.....</i>	927–948
Accurate Explicit Analytical Solutions of the Duffing-Harmonic Oscillator Equation using Nonlinear Time Transformation <i>Serge Bruno Yamgoué, Bonaventure Nana, François Beceau Pelap.....</i>	949–960

Available online at <https://lhscientificpublishing.com/Journals/JAND-Download.aspx>

Printed in USA