



Advances in Differential Dynamical Systems with Applications to Economics and Biology

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Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Nowadays, in economics and biology, a delay between cause and effect is very often taken into consideration. Sometimes, it is more practical to add a distributed time delay. Moreover, fractional derivatives instead of integer order derivatives may reflect the memory and the inherited properties of different systems. In terms of realistic conditions, stochastic perturbation framed by a stochastic differential delay system is used to explain the ambiguity about the context in which the system operates.

This Special Issue focuses on the dynamical analysis of mathematical models arising from economy and biology and innovative developments of mathematical techniques for their applications. Submissions that involve interdisciplinary collaborations are welcome, as are recent advances in both discrete and continuous techniques and significant applications. Numerical simulations can be used to emphasize the theoretical findings. Finally, an economic or biological interpretation of the obtained results is desired.





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Message from the Editor-in-Chief

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