

Special Issue on “Delay Differential Equations: Theory, Applications, and New Trends”
of the journal “[Discrete & Continuous Dynamical Systems – S](#) (DCDS-S)”

The selected papers presented at DDEs-TANRs workshop will be published in a special issue of the journal “[Discrete & Continuous Dynamical Systems – S](#) (DCDS-S)”, one of the American Institute of Mathematical Series. The aim of this special issue of DCDS-S is to present the new developments in the field of delay differential equations and their applications to engineering, physics, biomedicine and economics. This issue accepts high quality articles containing original research results and survey articles of exceptional merit. In addition, this special issue gives a chance to introduce new trends and analytical insights in the field of delay differential equations, e.g., the existence and uniqueness of the initial- and boundary value problems solutions, boundedness and persistence, oscillatory behaviour of the solutions, stability and bifurcation analysis, parameter estimation and sensitivity analysis, optimal control and stabilization of dynamics and numerical investigations of solutions. Potential topics include but are not limited to the following: (i) Development of novel theories or improvement to existing theories on delay differential equations; (ii) Development of novel numerical approaches for delay differential equations; (iii) Stability, sensitivity analysis and bifurcation analysis of time delay models; (iv) Optimal control of nonlinear delay differential systems.

If you are interested to participate, please send me (frihan@uaeu.ac.ae) the suggested title and expected date to submit the whole paper, at your earliest convenience.

Important Dates:

Manuscript Due : December 30, 2018
First Round of Reviews : March 1, 2019
Publication Date : October 1, 2019