FACULTY RESEARCHER PROFILE TEMPLATE

Name	Dr.V.Krishnaveni	Degrees	M.SC., M.PHIL, PGDCA., PH.D.
Image for home page	Photo		
Faculty Profile (200 Words Minimum)	V. Krishnaveni has received her Ph.D degree in Differential equations from Bharathiar University. She has published 6 papers. Among those papers 4 papers published in Scopus journal. Her research work concerns Existence of solutions of nonlinear differential equations.		
Keywords	Boundary value problem, Differential equations, Fixed point theorem.		
RESEARCH PROJECTS / FOCUS AREAS			
Title and description of research projects and Ph.D Research / focus areas (Minimum 100 Words about each projects)	Ph.D Title : EXISTENCE OF SOLUTIONS OF NONLINEAR FRACTIONAL IMPULSIVE INTEGRODIFFERENTIAL EQUATIONS IN BANACH SPACES Differential equations have wide applications in various engineering and science disciplines. In general, modeling of the variation of a physical quantity, such as temperature, pressure, displacement, velocity, stress, strain, current, voltage, or concentration of a pollutant, with the change of time or location, or both would result in differential equations. While solving differential equations, the essential thing is to know whether a particular equation has a solution or not. The presence of solutions is ensured by so called fixed point theorems. In my thesis fixed point techniques have been set up as extremely effective apparatuses in the investigation of existence of solutions of fractional and integer order differentiation equation in Banach spaces. Focus area: Application of differential Equations.		
PUBLICATIONS			
1. https://www.researchgate.net/profile/Albert_Luo/publication/325190874_Journal_of_Applied_Nonlinear_Dynamics_Vol7_No2/links/5afcde34a6fdcc3a5a27417e/Journal-of-Applied-Nonlinear-Dynamics-Vol7-No2.pdf#page=41 In this paper, investigated the existence of positive solutions for system of nonlinear integro-differential equations with multi(m)- point boundary conditions on time scales 2. https://www.researchgate.net/profile/Albert_Luo/publication/323429492_Discontinuity_Nonlinearity_and_Complexity_Vol7_No1/links/5a9f80b7a6fdcc22e2cb5970/Discontinuity-Nonlinearity-and-Complexity-Vol7-No1.pdf#page=111 In this paper, Existence and uniqueness results are obtained by using Schauder fixed point theorem and contraction principle		

3. https://www.ripublication.com/gjpam17/gjpamv13n7_85.pdf

In this paper sufficient condition for the existence of solutions for nonlinear Caputo-type implicit fractional differential equations with integral boundary conditions are established.

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